

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (currently amended) A security system, in particular in a motor vehicle comprising:  
a transmitter which transmits a signal in the form of an electromagnetic field; and  
a transportable receiver which receives the signal and sends back a corresponding response signal to a further receiver, characterized in that a spatial gradient of the electromagnetic field is measured ~~can be detected~~ by the transportable receiver.
2. (currently amended) A security system as claimed in claim 1, wherein the electromagnetic field is essentially spatially homogeneous ~~characterized in that a spatial gradient can be detected, in particular a homogeneous electromagnetic field.~~
3. (previously presented) A security system as claimed in claim 1, characterized in that a number of transmitters are provided.
4. (previously presented) A security system as claimed in claim 1, characterized in that a temporal gradient can be detected.
5. (previously presented) A security system as claimed in claim 3, characterized in that the transmitters each transmit different signals.
6. (currently amended) A security system as claimed in claim 1, characterized in that one or more transmitters can be located by means of the transportable receiver.
7. (currently amended) A security system as claimed in claim 6, characterized in that the transportable receiver has a directional antenna.

8. (new) A security system as claimed in claim 2, wherein the electromagnetic field is essentially spatially homogeneous at least in the vicinity around the motor vehicle.

9. (new) A security system as claimed in claim 2, wherein the spatial gradient of the electromagnetic field is essentially zero.

10. (new) A security system as claimed in claim 1, wherein the transportable receiver is configured to output the response signal only if the spatial gradient measured by the transportable receiver meets a predefined condition.

11. (new) A security system, in particular in a motor vehicle comprising:

two transmitters within the motor vehicle, wherein each of the two transmitters transmits a signal in the form of an electromagnetic field; and

a transportable receiver that is carried by a user of the motor vehicle, wherein the transportable receiver receives the signals from the two transmitters and sends back a corresponding response signal to a further receiver, characterized in that a spatial gradient of the electromagnetic field is measured by the transportable receiver, and wherein the transportable receiver is configured to determine the locations of the two transmitters in response to the measured spatial gradient and to emit the response signal only if the transportable receiver determines that the two transmitters are at a previously defined distance from one another.

12. (new) A security system as claimed in claim 11, wherein the electromagnetic field that results from the two transmitters is essentially spatially homogeneous.

13. (new) A security system as claimed in claim 12, wherein the electromagnetic field is essentially spatially homogeneous at least in the vicinity around the motor vehicle.

14. (new) A security system as claimed in claim 13, wherein the spatial gradient of the electromagnetic field is essentially zero.

15. (new) A security system as claimed in claim 11, wherein the transportable receiver is configured to output the response signal only if the spatial gradient measured by the transportable receiver meets a predefined condition.

16. (new) A security system as claimed in claim 11, characterized in that the transmitters each transmit different signals.

17. (new) A security system as claimed in claim 11, characterized in that the transportable receiver has a directional antenna.

18. (new) A security system, in particular in a motor vehicle comprising:  
a transmitter which transmits a signal in the form of an electromagnetic field: and  
a transportable receiver which receives the signal and sends back a corresponding response signal to a further receiver, characterized in that a spatial change of the electromagnetic field is measured by the transportable receiver.

19. (new) A security system as claimed in claim 18, wherein the spatial change in the electromagnetic field is essentially zero at least in the vicinity around the motor vehicle.